

Appl. No. 09/850,338
Amtd. Dated June 9, 2005
Reply to Office action of April 11, 2005
Attorney Docket No. P13427-US1
EUS/J/P/05-3132

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for authorizing transactions in a communication system, wherein a user equipment (UE) comprising a mobile phone, receives an authorization request for a content which is to be authorized with an identifier $\langle H \rangle$ of a transaction and wherein the UE replies to the request with an authorization response, said method comprising the steps of:

calculating the identifier $\langle H \rangle$ from the content;
transmitting the authorization request with the identifier to the UE;
receiving the authorization request;
determining an indication for whether the authorization request comprises a string (T) wherein an indication is the string (T) or a default string identifying the content in a form understandable by the user;
selecting the string (T) or the default string as the indication,
output of the indication by the user equipment (UE),
waiting for an input to approve or disapprove the authorization request,
signing the identifier $\langle H \rangle$ using a signing function, and
sending the authorization response according to the input, wherein an approving authorization response comprises the signed identifier $\langle H \rangle$.

2. (Currently Amended) The method according to claim 1, wherein the identifier $\langle H \rangle$ is a hash value.

3. (Canceled)

4. (Currently Amended) The method according to claim 1 [[3]], wherein the displayed indication is included in the authorization response.

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5. (Currently Amended) The method according to claim 4 [[3]], wherein a check is performed whether a connection is classified as safe and the indication comprises a result of the check or is selected according to the check.

6. (Currently Amended) The method according to claim 4 [[3]], wherein the authorization request comprises a signature of the sender and a check of the sender signature is performed.

7. (Cancelled)

8. (Currently Amended) The method according to claim 6 [[7]], wherein a concatenation of the identifier {H} and at least one further parameter is signed.

9. (Currently Amended) The method according to claim 6 [[7]], wherein a signature depends on a parameter which varies in consecutive authorization requests or authorization responses.

10. (Currently Amended) The method according to claim 6 [[7]], wherein the authorization request is sent by a server {MS} after reception of a message from a further entity.

11. (Previously Presented) The method according to claim 10, wherein the message comprises the indication or a parameter determining the indication.

12. (Currently Amended) The method according to claim 10, wherein the server {MS} forwards an approval of the identifier {H} to the further entity.

13. (Currently Amended) The method according to claim 10, wherein the server {MS} stores the indication or forwards it to the further entity.

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14. (Currently Amended) A server for processing authorization procedures in a communication system, comprising:

an interface to exchange messages between the server and user equipment (UE) comprising a mobile phone, connected to the communication system,

a processing system adapted to send an authorization request, for a content which is to be authorized, to the user equipment and to receive an authorization response from the user equipment, wherein the processing system is further adapted for

calculating an identifier (H) from the content and for including the identifier (H) in the authorization request, wherein the authorization request is then transmitted, with the identifier to the UE, wherein the UE determines an indication for the authorization request, the indication comprising a string (T) or a default string for identifying the content in a form understandable by a user, and

the server being adapted for checking the authorization response for the identifier (H) signed by the user equipment (UE).

15. (Currently Amended) The server according to claim 14, wherein the server (MS) comprises

an interface to receive messages from a further network entity and the processing system is adapted to extract the content for authorization from a message received from the further network entity and to send a reply to the further network entity, wherein the reply is determined by the authorization response.

16. (Canceled)

17. (Currently Amended) A user equipment (UE) comprising a mobile phone for coupled with a communication system, comprising:

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a transmission unit to receive and send messages, the messages comprising authorization requests and authorization responses,
a unit to process input of a user,
a unit to perform an output to the user,
a unit to sign parameters and
a processing system (PS) controlling said units the PS adapted to process an authorization request for a content which is to be authorized with an identifier (H) of a transaction and to reply to the request with an authorization response, wherein
the processing system (PS) includes

a unit for

calculating the identifier (H) from the content;
transmitting the authorization request with the identifier to the UE
determining whether the authorization request comprises a string (T), wherein an indication is the string (T) or a default string identifying the content in a form understandable by the user, an indication for the request,
selecting the string (T) or the default string as the indication,
initiating the output of the indication by the unit to perform an output
waiting for an approval of the request by the user,
initiating the signing of the identifier (H) and the sending of an authorization response with the signed identifier (H) by the transmission unit (TU).

18. (Canceled)

19. (Currently Amended) The user equipment according to claim 17, wherein the processing system (PS) includes the displayed indication in the authorization response.

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20. (Currently Amended) The user equipment according to claim 19, wherein the processing system {PS} performs a check whether a connection is classified as safe and includes the result of the check in the indication or selects the indication according to the check.

21. (Currently Amended) The user equipment according to claim 17, wherein the authorization request comprises a signature of the sender and the processing system {PS} performs a check of the sender signature.

22. (Currently Amended) The user equipment according to claim 21, wherein the processing system {PS} includes the result of the check in the indication or selects the indication according to the check.

23. (Currently Amended) The user equipment according to claim 22, wherein the processing system {PS} signs a concatenation of the identifier {H} and at least one further parameter.

24. (Currently Amended) The user equipment according to claim 23, wherein the processing system {PS} includes a parameter which varies in consecutive authorization requests or authorization responses into a signed content.

25. (Currently Amended) A computer program stored on a computer readable medium coupled with a user equipment (UE) comprising a mobile phone for receiving an authorization request for a content which is to be authorized with an identifier {H} of a transaction and for the UE replying to the request with an authorization response, the computer program comprising

instructions for:

calculating the identifier {H} from the content;
transmitting the authorization request with the identifier to the UE
receiving the authorization request,

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determining whether the authorization request comprises a string (T) and an indication is the string (T) or a default string identifying the content in a form understandable by a user an indication for the authorization request,
selecting the string (T) or the default string as the indication,
initiating the output of the indication,
waiting for an input approving or disapproving the authorization request,
initiating the signing of the identifier (H), and
determining the authorization response according to the input, wherein an approving authorization response comprises the signed identifier (H) and the indication.

26. (Currently Amended) The computer program of claim 25, wherein the identifier (H) is a hash value.

27. (Canceled)

28. (Previously Presented) The server of claim 14, further comprising means for including the indication receiving the authorization response and detecting the included indication.

29-32. (Canceled)

33. (Currently Amended) The server of claim 14, wherein the authorization request is sent by the server (MS) after reception of a message from a further entity.

34. (Currently Amended) The server of claim 33 [[34]], wherein the message from the further entity comprises the indication or a parameter determining the indication.

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35. (Currently Amended) The server of claim 14 [[34]], wherein the server (MS) forwards an approval of the identifier (H) to the further entity.

36. (Currently Amended) The server of claim 34, wherein the server (MS) stores the indication or forwards it to the further entity.

37. (New) The method of claim 1, wherein output of the indication by the user equipment comprises an auditory signal.

38. (New) The user equipment of claim 17, wherein the unit of the processing system further comprises performing an output comprising an auditory signal.